

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-371002

(43)Date of publication of application : 26.12.2002

(51)Int.CI.

A61K 35/78
A21D 13/08
A23F 3/16
A23F 5/24
A23L 1/30
A23L 2/02
A23L 2/38
A23L 2/52
A61K 31/192
A61P 9/00
A61P 9/12
A61P 31/04
A61P 37/04
A61P 43/00

(21)Application number : 2001-176148

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(22)Date of filing : 11.06.2001

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(54) PHYSIOLOGICALLY ACTIVE BARLEY ESSENCE, METHOD FOR PRODUCING THE SAME, AND FOOD AND BEVERAGE CONTAINING THE ESSENCE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a physiologically active component from barley, to provide a use as a physiologically active agent using the same and to obtain a functional food material or a functional food using the same.

SOLUTION: The physiologically active barley essence is obtained by extracting barley subjected to a blasting treatment with an aqueous solvent and comprises an essence mainly extracted from its grain skin fraction, which is found to have a useful physiologically active action. The active ingredient of the physiologically active barley essence is a readily water-soluble substance, has ≤500,000 molecular weight, comprises a main component having ≤100,000 molecular weight, has 3–30% protein content, is rich in water-soluble ferulic acid and p-coumaric acid and has physiologically active actions such as immune enhancing action, hypotensive action, blood flow improving action, angiotensin I converting enzyme inhibitory action and antimicrobial action. The physiologically active agent, the functional food material and the functional food are produced by using the physiologically active barley essence.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]